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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

11/23/2009

Striker, Striker & Stenby 103 East Neck Road Huntington, NY 11743 EXAMINER

KIM, JOHN K

ART UNIT PAPER NUMBER

2834

DATE MAILED: 11/23/2009

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/585.047	06/29/2006	Hans-Joachim Lutz	3780	6208	

TITLE OF INVENTION: CLAW-POLE ROTOR FOR AN ELECTRICAL MACHINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/23/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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Striker, Striker 103 East Neck F Huntington, NY	& Stenby	/2009	Sta ado	ereby certify that th tes Postal Service v Iressed to the Mai	nis Fee(s with suff 1 Stop 1	of Mailing or Trans) Transmittal is being icient postage for firs (SSUE FEE address 1) 273-2885, on the d	g deposited of st class mail above, or I	l in an envelope being facsimile
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								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTO	RNEY DOCKET NO.	CONFIRM	MATION NO.
10/585,047 TITLE OF INVENTION	06/29/2006 N: CLAW-POLE ROTO	R FOR AN ELECTRICA	Hans-Joachim Lutz L MACHINE			3780	6	5208
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DA	ATE DUE
nonprovisional	NO	\$1510	\$300	\$0		\$1810	02/23/2010	
EXAM	MINER	ART UNIT	CLASS-SUBCLASS]				
KIM, JOHN K 2834			310-263000	-				
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	AND RESIDENCE DATA	"Indication form led. Use of a Customer A TO BE PRINTED ON ' ified below, no assignee	(1) the names of up to a agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent attested, no name will be THE PATENT (print or ty data will appear on the 1 T a substitute for filing an	ively, le firm (having as a agent) and the namorneys or agents. If eprinted. pe)	n members of up	er a 2 o to e is 3	ocument ha	s been filed for
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	itus (from status indicate ns SMALL ENTITY stati		☐ b. Applicant is no lo	nger claiming SMA	LL ENT	TTY status. See 37 C	FR 1.27(g)((2).
			d from anyone other than coffice.					
interest as shown by the	records of the Office Sta	nes ratent and Trademark	Conice.					
Authorized Signature	3			Date				
Typed or printed name								
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Striker, Striker &	Stenby	KIM, JOHN K			
103 East Neck Road			ART UNIT	PAPER NUMBER	
Huntington, NY 11	.743		2834		
		DATE MAILED: 11/23/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 68 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 68 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/585,047	LUTZ ET AL.	
Notice of Allowability	Examiner	Art Unit	
	JOHN K. KIM	2834	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet v (OR REMAINS) CLOSED or other appropriate comr GHTS. This application is	vith the correspondence address in this application. If not included nunication will be mailed in due cours	se. THIS
1. This communication is responsive to <u>9/9/2009</u> .			
2. ☑ The allowed claim(s) is/are <u>1 and 4-15</u> .			
 Acknowledgment is made of a claim for foreign priority ur a)	been received. been received in Applicate cuments have been receiv	ion No ed in this national stage application f	
noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	ENT of this application. itted. Note the attached Ex	(AMINER'S AMENDMENT or NOTIC	
INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT.	t be submitted. on's Patent Drawing Revies Amendment / Comment 84(c)) should be written on the header according to 37 (so	ew (PTO-948) attached or in the Office action of the drawings in the front (not the back FR 1.121(d). FERIAL must be submitted. Note	,
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material JK	6. ☐ Interview Paper No 7. ☐ Examiner	<u> </u>	ce

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Art Unit: 2834

DETAILED ACTION

1. This Office action is in response to papers filed on 9/9/2009. Amendments made to the claims and Applicant's remarks have been entered and considered.

2. Claims 1 and 4-15 are allowed.

RCE

Continued Examination Under 37 CFR 1.114

3. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/9/2009 has been entered.

Reason for Allowance

4. The independent claims (claims 1, 14 and 15) have been narrowed and cleared to specify every details of the invention. The applicant amended drawings to clarify interpretation of the claimed feature. Center (M) and center portion (m) of chamfer, tangential axis (T) and a half width point (P) of claw pole have been clarified both in drawing and claims.

The examiner found no prior art of claw pole rotor for alternator requiring;

- (1) a chamfer on claw pole wherein
- (2) the chamfer having a center portion (m) <u>sized 8/10 or 1/3 of chamfer length</u> where center portion is defined by intersection of a transition plane (59) <u>which</u>

<u>demarcates</u> the pole root (53) and the freely projecting part of the claw pole (28 and 29), and

(3) having an <u>angle of inclination</u> a which has a magnitude of between <u>15° and</u> <u>25° defined by chamfer plane and tangential plane (T).</u>

The examiner considered Frister (US 4972114), Fudono (US 5708318), Oohashi et al (US 6476535) and Ikeda et al (US 2002/0096965).

Frister teaches (in claim 8) a chamfer angle being 15-25 degrees but failed to configure the shape of the chamfer as in claimed invention.

Fudono teaches chamfer angle being 15-30 degree (Fig. 1c and claim 1) which is obvious range to the claimed invention. Fudono however teaches two chamfers which have length (L) which extends end to end of the claw pole, having a half of the length (L/2) for center, and the center is not defined by intersection of a transition plane which demarcates the pole root and the freely projecting part of the claw pole. Therefore, Fudono failed to teach to configure the chamfer having a center portion (m) sized 8/10 or 1/3 of chamfer length.

Oohashi teaches chamfers at edge but on both side of claw pole and silent to show or disclose size and angle of the chamfer.

Ikeda shows (in Fig. 19) a chamfer at one of edge on claw pole but has no an angle of inclination a which has a magnitude of between 15° and 25°, nor the chamfer having a center portion sized 8/10 or 1/3 of chamfer length where center portion is defined by intersection of a transition plane which demarcates the pole root and the freely projecting part of the claw pole.

The examiner found no prior art satisfies all above conditions by itself or as combined.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN K. KIM whose telephone number is (571)270-5072. The fax phone number for the examiner where this application or proceeding is assigned is 571-270-6072. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Quyen Leung can be reached on 571-272-8188. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Quyen Leung/ Supervisory Patent Examiner, Art Unit 2834